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AMENDMENTS TO THE CLAIMS

Please cancel claims 3, 15, 17, 19, 25 and 33 without prejudice.

Please amend claims 1, 4-7, 9-14, 16, 18, 20-22, 26-28, 30-32, 34-39, 41-43, 44-45 and 47-48 as follows.

1. (Currently Amended) In an electronic device running a software tool that generates output descriptions in response to input descriptions, a method for tracing output descriptions generated from corresponding input descriptions, wherein the electronic device includes a display, the method comprising:

identifying a first cross-reference associated with an input description;

identifying an output description that corresponds with the input description, the output description being associated with a second cross-reference that matches the first cross-reference; and

displaying the input descriptions and the output descriptions together on the display;

~~scrolling one of the input descriptions and the output descriptions; and~~

~~in response to scrolling one of the input descriptions and the output descriptions, scrolling the other descriptions automatically in proportion to an amount of scrolled descriptions in the one of the input descriptions and the output descriptions~~.

2. (Original) The method of claim 1 wherein the input and output descriptions include code descriptions expressed in programming languages.

3. (Canceled)

4. (Currently Amended) The method of claim ~~3~~ 1 wherein ~~each of the multiple output~~ input descriptions ~~is~~ and the output description are expressed in ~~a~~ different programming languages ~~than other output descriptions~~.

5. (Currently Amended) The method of claim 1 wherein the input descriptions and the output descriptions are displayed in separate panes of a same window.

6. (Currently Amended) The method of claim 1 wherein the input descriptions and the output descriptions are displayed in separate windows.

7. (Currently Amended) The method of claim 1 further comprising

providing a first scrolling tool for scrolling the input descriptions; and

providing a second scrolling tool for scrolling the output descriptions.

8. (Original) The method of claim 7 wherein the first and second scrolling tool includes scrolling bars.

9. (Currently Amended) The method of claim 7 wherein in response to controlling one of the first scrolling bar ~~and~~or the second scrolling bar, the other scrolling bar is automatically controlled in proportion to ~~an~~ a controlled amount in said one of the first scrolling bar and the second scrolling bar.

10. (Currently Amended) The method of claim 1 further comprising, in response to scrolling one of the input descriptions ~~and~~or the output descriptions, displaying corresponding input descriptions and output descriptions adjacent to the scrolled descriptions on the display.

11. (Currently Amended) In an electronic device running a software tool that generates output descriptions in response to input descriptions, a method for tracing an output description generated from a corresponding input description, wherein the electronic device includes a display, the method comprising:

displaying the input descriptions and the output descriptions together on ~~the~~a display;

displaying a first cursor in a first element of one of the input description or the output description;

identifying a first cross-reference associated with the first element;

identifying a second element of the other description that corresponds with the first element, the second element being associated with a second cross reference that matches the first cross-reference; and

displaying a second cursor in a second element

~~providing a first focus in one of the input description and the output description; and~~

~~in response to providing the first focus in the one of the input descriptions and the output descriptions, providing a second focus automatically in the other descriptions~~.

12. (Currently Amended) The method of claim 11 wherein the first ~~focus~~cursor and the second ~~focus~~cursor are presented in a start position of the input description and the output description.

13. (Currently Amended) The method of claim 11 wherein the first ~~focus~~cursor and the second ~~focus~~cursor are presented on a same line on the display.

14. (Currently Amended) The method of claim 11 wherein the first and second ~~focuse~~cursors are presented in a middle of the input description and the output description.

15. (Canceled)

16. (Currently Amended) The method of claim ~~15~~ 11 wherein the cross-references ~~include~~s reference numbers to the input description and the output description.

17. (Canceled)

18. (Currently Amended) The method of claim ~~15~~11 wherein the cross-references are attached to the input description and the output description using the XML (Extensible Markup Language) programming language.

19. (Canceled)

20. (Currently Amended) In an electronic device running a software tool that generates output descriptions in response to input descriptions, a method for tracing an output description generated from a corresponding input description, wherein the electronic device includes a display, the method comprising:

displaying the input descriptions and the output descriptions together on the display;

selecting a first segment in one of the input descriptions and the output descriptions; and

in response to selecting a first segment in the one of the input descriptions ~~and~~ or the output descriptions, selecting a second segment in the other descriptions automatically, ~~wherein~~ the second segment corresponding to the first segment; and

connecting a portion in the first segment and a corresponding portion in the second segment through a connection line to indicate that the connected portions in the first and second segments correspond to each other.

21. (Currently Amended) The method of claim 20 wherein the first segment or the second segment is highlighted.

22. (Currently Amended) The method of claim 20 wherein a background of the first segment or the second segment is colored.

23. (Original) The method of claim 20 wherein the first segment includes a plurality of lines.

24. (Original) The method of claim 23 wherein the plurality of lines is highlighted in different colors and corresponding lines in the second segment are highlighted in same colors as the first segment.

25. (Canceled)

26. (Currently Amended) The method of claim 20 wherein the input descriptions in the first segment and the corresponding output descriptions in the second segment make cross-references to each other.

27. (Currently Amended) The method of claim 26 wherein the first segment includes a part of a line in the input descriptions and the part of the line in the first segment makes a different reference to a corresponding part of a line in the second segment.

28. (Currently Amended) The method of claim 23 wherein the first segment includes a plurality of lines and each of the plurality of lines in the first segment makes a different reference to corresponding lines in the second segment.

29. (Original) The method of claim 26 wherein multiple references are made to a common line in the second segment, the common line being shared by more than one line in the second segment.

30. (Currently Amended) The method of claim 26 wherein the first cross-references ~~are~~ is attached to the input description and the second cross-reference is attached to the output description using the XML (Extensible Markup Language) programming language.

31. (Currently Amended) A system for translating input code to output code, the system comprising:

a display; and

a ~~code generator~~processor configured to:

~~for receiving~~identify a first cross-reference associated with ~~the~~ input code,

~~and generating~~ identify ~~the~~ output code that corresponds to the input code, the output code being associated with a second cross-reference that matches the first cross-reference.; ~~a markup generator for generating input and output code markup files for displaying the input and output code;~~ and

~~a display tool for~~ display~~ing~~ the input code and the output code together on ~~a~~the display ~~using the input and output code markup files, wherein the display tool displays the input code and corresponding output code together on the display so that users are able to trace the output code generated from corresponding input code and the input code from which corresponding output code is generated~~.

32. (Currently Amended) The system of claim 31 wherein ~~the markup generator~~ the processor is further configured to:

generate~~s the~~ an input code markup file and an output code markup file~~s using markup programming languages~~, the input code markup file containing the first cross-references

associated with the input code, and the output code markup file containing the second cross-reference associated with the output code.

33. (Canceled)

34. (Currently Amended) The system of claim ~~33~~ 31 wherein the cross-references include line references to ~~each~~a line of the input code and a corresponding line of the output code.

35. (Currently Amended) The system of claim ~~33~~ 31 wherein the cross-references include line references to ~~each~~a line of the output code and a corresponding line of the input code.

36. (Currently Amended) The system of claim ~~33~~ 31 wherein the cross-references include references to ~~each~~an element of the input code and a corresponding output code element.

37. (Currently Amended) The system of claim ~~33~~ 31 wherein the cross-references include references to ~~each~~an element of the output code and a corresponding input code element.

38. (Currently Amended) The system of claim 31 wherein the ~~display tool~~ processor is further configured to:

_____provide~~s~~ a graphical user interface element in which the input code and the output code are displayed together.

39. (Currently Amended) The system of claim 31 wherein the ~~display tool~~ processor is further configured to:

_____display~~s~~ the input code and the output code ~~on~~ in separate windows.

40. (Original) The system of claim 31 wherein the input code and the output code are described in a textual format.

41. (Currently Amended) A computer-readable medium ~~holding~~comprising computer-executable instructions executable in ~~an electronic device running a software tool that generates~~

~~output descriptions in response to input descriptions~~ computer system, ~~wherein the electronic device includes a display, comprising~~the instructions including:

instructions for identifying a first cross-reference associated with an input description;

instructions for identifying an output description that corresponds with the input description, the output description being associated with a second cross-reference that matches the first cross-reference; and

instructions for displaying the input descriptions on one side of the display and the output descriptions on the other side of the display;

~~scrolling one of the input descriptions and the output descriptions; and~~

~~in response to scrolling one of the input descriptions and the output descriptions,~~

~~scrolling the other descriptions automatically in proportion to an amount of scrolled descriptions in said one of the input descriptions and the output descriptions~~.

42. (Currently Amended) The medium of claim 41 further comprising

instructions for providing a first scrolling ~~tool~~ bar for scrolling the input descriptions; and

instructions for providing a second scrolling ~~tool~~ bar for scrolling the output descriptions.

43. (Currently Amended) The medium of claim 42 wherein in response to controlling one of the first scrolling bar ~~and~~or the second scrolling bar, the other scrolling bar is automatically controlled in proportion to an controlled amount in said one of the first scrolling bar and the second scrolling bar.

44. (Currently Amended) A computer-readable medium ~~holding~~comprising computer-executable instructions executable in ~~an electronic device running a software tool that generates output descriptions in response to input descriptions~~ computer system, ~~wherein the electronic device includes a display, comprising~~ the instructions including:

instructions for displaying a first cursor in an input description;

instructions for identifying a first cross-reference associated with the input description where the first cursor is displayed;

instructions for identifying an output description that corresponds with the input description, the output description being associated with a second cross-reference that matches the first cross-reference;

instructions for displaying a second cursor automatically in the output description; and

instructions for displaying the input descriptions on one side of the display and the output descriptions on the other side of the display;

~~presenting a first focus in one of the input description and the output description and~~

~~in response to presenting of the first focus in said one of the input descriptions and the output description, presenting a second focus automatically in the other description.~~

45. (Currently Amended) The medium of claim 44 wherein the input description and the output description which the first ~~focus~~cursor and the second ~~focus~~cursor are presented to, respectively, make cross-references to each other.

46. (Original) The medium of claim 45 wherein the cross-references includes reference numbers to the input description and the output description.

47. (Currently Amended) A computer-readable medium ~~holding~~comprising computer-executable instructions executable in ~~an electronic device running a software tool that generates output descriptions in response to input descriptions~~ computer system, ~~wherein the electronic device includes a display, comprising~~the instructions including:

instructions for displaying ~~the~~an input descriptions on one side of ~~the~~a display and ~~the~~an output descriptions on the other side of the display;

instructions for marking a first segment in ~~one of~~ the input descriptions ~~and the output descriptions~~; ~~and~~

instructions for, in response to marking ~~a~~the first segment in ~~one of~~ the input descriptions ~~and the output descriptions~~, marking a second segment in the ~~other~~output descriptions automatically, ~~wherein~~ the second segment corresponds~~ing~~ to the first segment; and

instructions for connecting a portion in the first segment and a corresponding portion in the second segment through a connection line to indicate that the connected portions in the first and second segments are corresponding to each other.

48. (Currently Amended) The medium of claim 47 wherein the input descriptions in the first segment and the corresponding output descriptions in the second segment make cross-references to each other.

49. (Original) The medium of claim 48 wherein the first segment include a plurality of lines and each of the plurality of lines in the first segment makes a different reference to corresponding lines in the second segment.

Please add the following claims.

50. (New) The method of claim 1, wherein the first cross-reference and the second cross-reference are coded in the Extensible Markup Language (XML) programming language.

51. (New) The medium of claim 41, wherein the first cross-reference and the second cross-reference are coded in the Extensible Markup Language (XML) programming language.